

Title (en)

NOVEL 5'CAP ANALOG HAVING CAP2 STRUCTURE AND PREPARATION METHOD THEREFOR

Title (de)

NEUES 5'CAP-ANALOGON MIT CAP2-STRUKTUR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

NOUVEL ANALOGUE DE COIFFE 5' AYANT UNE STRUCTURE CAP2 ET SON PROCÉDÉ DE PRÉPARATION

Publication

**EP 4202053 A1 20230628 (EN)**

Application

**EP 20950062 A 20201029**

Priority

- CN 202010842263 A 20200820
- CN 2020124720 W 20201029

Abstract (en)

A 5'Cap analog having a Cap2 structure and a preparation method therefor. The molecular formula of the 5'Cap analog having a Cap2 structure is selected from any one of m7G(5')ppp(5')(2'OMeA)p(2'OMeG), m7G(5')ppp(5')(2'OMeG)p(2'OMeG), etc. The 5'Cap analog having a Cap2 structure has higher synthesis efficiency, higher capping efficiency, lower immunogenicity, and higher protein translation efficiency.

IPC 8 full level

**C12P 19/34** (2006.01); **C07H 21/02** (2006.01)

CPC (source: CN EP KR US)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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